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Substitute for form 1449/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

Date Submitted: April 2, 2009

(use as many sheets as necessary)

Complete if Known

Application Number	10/589,890
Filing Date	02/10/2005
First Named Inventor	Masanori NAKAMURA
Art Unit	1793
Examiner Name	Cam N. Nguyen
Attorney Docket Number	040302-0582



Sheet 1 of 6

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-2001/0004832-A1	06-28-2001	HANAKI ET AL.	
	A2	US-2001/0006934-A1	07-05-2001	KACHI ET AL.	
	A3	US-2001/0021358-A1	09-13-2001	KIKUCHI ET AL.	
	A4	US-2002/0045543-A1	04-18-2002	TAKATORI ET AL.	
	A5	US-2003/0004054-A1	01-02-2003	ITO ET AL.	
	A6	US-2003/0083193-A1	05-01-2003	TAKAYA ET AL.	
	A7	US-2003/0167752-A1	09-11-2003	NIWA ET AL.	
	A8	US-2003/0181316-A1	09-25-2003	HIRAMOTO ET AL.	
	A9	US-2004/0055280-A1	03-25-2004	NISHIZAWA ET AL.	
	A10	US-2004/0254069-A1	12-16-2004	ITO, JUNJI	
	A11	US-2005/0170958-A1	08-04-2005	KIKUCHI ET AL.	
	A12	US-2005/0215429-A1	09-29-2005	WAKAMATSU ET AL.	
	A13	US-2005/0221978-A1	10-06-2005	SHIRATORI ET AL.	
	A14	US-2007/0153390-A1	07-05-2007	NAKAMURA ET AL.	
	A15	US-2007/0155626-A1	07-05-2007	YASUDA ET AL.	
	A16	US-2007/0167319-A1	07-19-2007	SHIRATORI ET AL.	
	A17	US-2007/0244001-A1	10-18-2007	WAKAMATSU ET AL.	
	A18	US-2,980,862	04-18-1961	JEZL	
	A19	US-3,255,020	06-07-1966	FERRELL	
	A20	US-3,266,477	08-16-1966	STILES	
	A21	US-3,357,916	12-12-1967	SMITH	
	A22	US-3,478,328	11-11-1969	ETIENNE DE RUDNAY	
	A23	US-3,531,329	09-29-1970	SELWITZ	
	A24	US-3,649,566	03-14-1972	HAYES ET AL.	
	A25	US-4,255,290	03-10-1981	FLAGG ET AL.	
	A26	US-4,261,862	04-14-1981	KINOSHITA ET AL.	
	A27	US-4,274,981	06-23-1981	SUZUKI ET AL.	
	A28	US-4,369,132	01-18-1983	KINOSHITA ET AL.	
	A29	US-4,374,046	02-15-1983	ANTOS	
	A30	US-4,425,261	01-10-1984	STENIUS ET AL.	
	A31	US-4,440,874	04-03-1984	THOMPSON	
	A32	US-4,444,721	04-24-1984	OHKATA, ICHIZO	
	A33	US-4,495,304	01-22-1985	YOO ET AL.	
	A34	US-4,539,311	09-03-1985	HARRISON ET AL.	
	A35	US-4,548,921	10-22-1985	GEUS ET AL.	
	A36	US-4,716,087	12-29-1987	ITO ET AL.	
	A37	US-4,758,418	07-19-1988	YOO ET AL.	
	A38	US-4,765,874	08-23-1988	MODES ET AL.	
	A39	US-4,839,146	06-13-1989	CHO ET AL.	
	A40	US-4,904,633	02-27-1990	OHATA ET AL.	

Examiner Signature /Cam N. Nguyen/

Date Considered

05/02/2009

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Examiner Name	Cam N. Nguyen
Attorney Docket Number	040302-0582

Sheet 2 of 6

U.S. PATENT DOCUMENTS

	Document Number		
A41	US-4,969,265-	11-13-1990	EHARA, HIDEHARU
A42	US-5,068,218-	11-26-1991	NISHIZAWA
A43	US-5,108,469-	04-28-1992	CHRIST, MICHAEL
A44	US-5,112,787-	05-12-1992	FALKE ET AL.
A45	US-5,248,650-	09-28-1993	SEKIBA ET AL.
A46	US-5,395,406-	03-07-1995	CLAVENNA ET AL.
A47	US-5,427,989-	06-27-1995	KANESAKA ET AL.
A48	US-5,446,003-	08-29-1995	AUGUSTINE ET AL.
A49	US-5,516,741-	05-14-1996	GASCOYNE ET AL.
A50	US-5,622,048-	04-22-1997	AOYAMA ET AL.
A51	US-5,640,847-	06-24-1997	NAKAJIMA ET AL.
A52	US-5,644,912-	07-08-1997	KAWAMURA
A53	US-5,677,258-	10-14-1997	KUROKAWA ET AL.
A54	US-5,750,458-	05-12-1998	KENNELLY ET AL.
A55	US-5,814,576-	09-29-1998	YAMAMOTO, SHINJI
A56	US-5,814,577-	09-29-1998	PARK ET AL.
A57	US-5,849,660-	12-15-1998	TAKEMOTO ET AL.
A58	US-5,911,961-	06-15-1999	HORIUCHI ET AL.
A59	US-5,916,839-	06-29-1999	PAK ET AL.
A60	US-6,047,544-	04-11-2000	YAMAMOTO ET AL.
A61	US-6,057,263-	05-02-2000	TAKAHASHI ET AL.
A62	US-6,066,410-	05-23-2000	AUER ET AL.
A63	US-6,066,587-	05-23-2000	KUROKAWA ET AL.
A64	US-6,069,111-	05-30-2000	YAMAMOTO ET AL.
A65	US-6,080,371-	06-27-2000	TANABE ET AL.
A66	US-6,107,239-	08-22-2000	QIN ET AL.
A67	US-6,110,862-	08-29-2000	CHEN ET AL.
A68	US-6,172,000-B1	01-09-2001	CHATTHA ET AL.
A69	US-6,180,075-B1	01-30-2001	LINDNER ET AL.
A70	US-6,228,800-B1	05-08-2001	YAMAGUCHI ET AL.
A71	US-6,284,201-B1	09-04-2001	BUCK, ALFRED
A72	US-6,296,813-B1	10-02-2001	ISHII ET AL.
A73	US-6,370,870-	04-16-2002	KAMUJO ET AL.
A74	US-6,444,610-	09-03-2002	YAMAMOTO, SHINJI
A75	US-6,475,446-	11-05-2002	HORIKE ET AL.
A76	US-6,503,862-	01-07-2003	YAMAMOTO, SHINJI
A77	US-6,511,642-B1	01-28-2003	HATANAKA ET AL.
A78	US-6,514,906-B1	02-04-2003	HANAKI ET AL.
A79	US-6,518,213-	02-11-2003	YAMAMOTO ET AL.
A80	US-6,589,901-B2	07-08-2003	YAMAMOTO ET AL.
A81	US-6,623,716-B2	09-23-2003	SUGA ET AL.
A82	US-6,660,897-B1	12-09-2003	MARTCHAL-GEORGE ET

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Signature

/Cam N. Nguyen/

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/589,890
Date Submitted: April 2, 2009		Filing Date	02/10/2005
(use as many sheets as necessary)		First Named Inventor	Masanori NAKAMURA
		Art Unit	1793
		Examiner Name	Cam N. Nguyen
		Attorney Docket Number	040302-0582
Sheet	3 of 6		

U.S. PATENT DOCUMENTS				
	Document Number			
A83	US-6,680,279-B2	01-20-2004	AL	
A84	US-6,729,125-B2	05-04-2004	CAI ET AL.	
A85	US-6,764,665-B2	07-20-2004	SUGA ET AL.	
A86	US-6,787,500-B2	09-07-2004	DEEBA ET AL.	
A87	US-6,800,388-B2	10-05-2004	ITO ET AL.	
A88	US-6,861,372-B2	03-01-2005	KANEKO ET AL.	
A89	US-6,861,387-B2	03-01-2005	RUTH ET AL.	
A90	US-6,887,443-B2	05-03-2005	RUTH ET AL.	
A91	US-6,887,444-B1	05-03-2005	SUGA ET AL.	
A92	US-6,896,857-B2	05-24-2005	YAMAMOTO, SHINJI	
A93	US-6,926,875-B2	08-09-2005	NAKAMURA ET AL.	
A94	US-7,029,514-B1	04-18-2006	HATANAKA ET AL.	
A95	US-7,081,431-B2	07-25-2006	YANG ET AL.	
A96	US-7,150,861-B2	12-19-2006	YAMASHITA ET AL.	
A97	US-RE 31,719-	10-30-1984	MORITA ET AL.	
			SONETA ET AL.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document Serial Number-Kind Code ² (if known)	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A98	11/722275	06-20-2007	NAKAMURA ET AL.

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ⁴ - Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A99	JP-09-122492-A	05-13-1997	NISSAN MOTOR CO., LTD.	Abst.
	A100	JP-10-216517-A	08-18-1998	TOYOTA MOTOR CORP.	Abst.
	A101	EP-1 043 065-A1	10-11-2000	TOYOTA JIDOSHA KABUSHIKI KAISHA	
	A102	JP-2000-001119-A	01-07-2000	CALSONIC CORP.	Abst.
	A103	JP-2000-015098-A	01-18-2000	JAPAN SCIENCE & TECHNOLOGY CORP., ET AL.	Abst.
	A104	JP-2000-042411-A	02-15-2000	TOYOTA MOTOR CORP., ET AL.	Abst.

Examiner Signature	/Cam N. Nguyen/	Date Considered	05/02/2009
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Application Number	10/589,890
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Art Unit	1793
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		Country Code ² Number ⁴ Kind Code ⁵ (if known)				
	A105	JP-2000-279824-A	10-10-2000	TANAKA PRECIOUS METAL IND., ET AL.		Abst.
	A106	JP-2000-296339-A	10-24-2000	TOYOTA MOTOR CORP.		Abst.
	A107	JP-2001-198466-A	07-24-2001	TOYOTA MOTOR CORP.		Abst.
	A108	JP-2002-102703-A	04-09-2002	TOYOTA MOTOR CORP.		Abst.
	A109	JP-2003-080077-A	03-18-2003	DENSO CORP., ET AL.		Abst.
	A110	JP-2003-126694-A	05-07-2003	TOYOTA MOTOR CORP.		Abst.
	A111	JP-2003-144923-A	05-20-2003	TOYOTA MOTOR CORP.		Abst.
	A112	JP-2003-181290-A	07-02-2003	TOYOTA MOTOR CORP.		Abst.
	A113	JP-2003-181293-A	07-02-2003	TOYOTA MOTOR CORP.		Abst.
	A114	JP-2003-290658-A	10-14-2003	TOYOTA MOTOR CORP.		Abst.
	A115	JP-2003-290667-A	10-14-2003	TOYOTA MOTOR CORP.		Abst.
	A116	JP-2003-311128-A	11-05-2003	TOYOTA MOTOR CORP.		Abst.
	A117	JP-2004-082000-A	03-18-2004	TOYOTA MOTOR CORP.		Abst.
	A118	JP-2004-174490-A	06-24-2004	MAZDA MOTOR CORP.		Abst.
	A119	JP-2004-267961-A	09-30-2004	TANAKA KIKINZOKU KOGYO KK		Abst.
	A120	WO-2005/063390-A1	07-14-2005	NISSAN MOTOR CO., LTD.		
	A121	WO-2005/063391-A1	07-14-2005	NISSAN MOTOR CO., LTD.		
	A122	JP-2005-081183-A	03-31-2005	MITSUBISHI HEAVY IND., LTD.		Abst.
	A123	JP-2005-305300-A	11-04-2005	TOYOTA MOTOR CORP.		Abst.
	A124	JP-3251009-B2	11-16-2001	TOYOTA CENTRAL RES & DEV LAB INC., ET AL.		Abst.
	A125	EP-0 466 984-A1	01-22-1992	UOP		
	A126	JP-56-010333-A	02-02-1981	TOYOTA MOTOR CORP.		Abst.
	A127	JP-58-186441-A	10-31-1983	ENGELHARD CORP.		
	A128	EP-0 931 590-B1	07-28-1999	MAZDA MOTOR CORP.		
	A129	EP-0 940 176-A2	09-08-1999	TOYOTA JIDOSHA KABUSHIKI KAISHA		
	A130	WO-95/32790-A1	12-07-1995	ALLIEDSIGNAL ENVIRONMENTAL CATALYSTS		
	A131	WO-97/09114-A1	03-13-1997	INSTITUTIONEN FOR KEMITEKNIK KEMISK TEKNOLOGI KTH		

NON PATENT LITERATURE DOCUMENTS

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Sheet 5 of 6

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A132	A. Martinez-Arias et al., "Study of the lean NOx reduction with C3H6 in the presence of water over silver/alumina catalysts prepared from inverse microemulsions," Applied Catalysts B: Environmental, Vol. 28, 2000, pages 29-41.	
	A133	H. WAKAMATSU et al., US PTO Office Action 11/578,295, 03-19-2009, 8 pgs.	
	A134	H. WAKAMATSU et al., US PTO Office Action 11/578,295, 10-02-2008, 15 pgs.	
	A135	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 03-04-2009, 6 pgs.	
	A136	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 05-12-2008, 7 pgs.	
	A137	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 07-21-2008, 5 pgs.	
	A138	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 08-25-2008, 20 pgs.	
	A139	H. YASUDA et al., US PTO Office Action 10/586,533, dated 07-14-2008, 6 pgs.	
	A140	H. YASUDA et al., US PTO Office Action 10/586,533, dated 11-18-2008, 16 pgs.	
	A141	K. SHIRATORI, et al., US PTO Office Action 10/584,346, dated 07-11-2008, 5 pgs.	
	A142	K. SHIRATORI, et al., US PTO Office Action 10/584,346, dated 11-18-2008, 19 pgs.	
	A143	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 03-12-2009, 7 pgs.	
	A144	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 05-08-2008, 6 pgs.	
	A145	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 07-28-2008, 18 pgs.	

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First Named Inventor	Masanori NAKAMURA
Art Unit	1793
Examiner Name	Cam N. Nguyen
Attorney Docket Number	040302-0582

Sheet 6 of 6

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A146	M. CHE et al., "A Study of the Chemisorption of Nitric Oxide on PdY Zeolite, Evidence for a Room Temperature Oxidative Dissolution of Pd Crystallites," The Journal of Physical Chemistry, Vol. 60, No. 21, 1976, 11 pgs.	
	A147	M. NAKAMURA et al., US PTO Office Action 10/584,243, dated 08-06-2008, 5 pgs.	
	A148	M. NAKAMURA et al., US PTO Office Action 10/584,243, dated 12-26-2008, 24 pgs.	
	A149	PH. BUFFAT AND J-P BOREL, "Size effect on the melting temperature of gold particles," Physical Review A, June 1976, Vol. 13, No. 6, 12 pgs.	
	A150	R. WILLIS, "PUMICE, Porous Volcanic Rock," Online, XP002364316, URL: http://ceramic-materials.com/ceramat/material/2009.html .	
	A151	S. ERIKSSON, et al., "Preparation of Catalysts from Microemulsions and Their Applications in Heterogeneous Catalysis," Applied Catalysis A: General, Vol. 265, No. 2, July 8, 2004, pp. 207-219.	
	A152	T. Kinoshita et al., "Magnetic evaluation of nanostructure of gold-iron composite particles synthesized by a reverse micelle method," Journal of Alloys and Compounds, Vol. 359, No. 1-2, Sept. 22, 2003, pages 48-50.	
	A153	W.Y. Kim et al., "Methanol synthesis from syngas over supported palladium catalysts prepared using water-in-oil microemulsion," Applied Catalysis A: General, Vol. 169, 1998, pages 157-164.	

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